

NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**REWIND AND REMEMBER #6 (Reg)**

**You must turn this page in for a grade! (20 points)**

1. The probability that a new car at a local dealership has a bad headlight is 0.003. Which statement best describes the probability of this event?

1. It is likely that a new car at a local dealership has a bad headlight.
2. It is unlikely that a new car at a local dealership has a bad headlight.
3. It is neither likely nor unlikely that a new car at a local dealership has a bad headlight.
4. It is impossible that a new car at a local dealership has a bad headlight.
5. Find the surface area of the 3-by-3-by-3 cm. cube below.



1. A circular mirror has a radius of 6 inches. What is the circumference of the mirror?
2. Simplify:
3. Solve for abc - b when a = -1, b = -2, and c = -3
4. Find the surface area and volume of the following sphere: (you may use your reference sheet, and a calculator)

16

1. Solve: **149 – (2 - 40)  6 =**
2. Using the diagram with the given angle measures, find the value of x:

8x

3x + 4

1. Greg has just started a new job at a grocery store down the road. He lives within walking distance of it. It takes him 30 minutes to walk there. He lives 4/5 of a mile from the store. What is his speed when he is walking to his job? (show your work!)

10) Solve: